MAURICE N

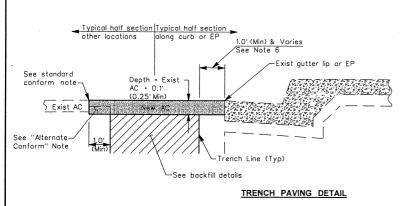
Exp. 12/31/05

CIVIL

OF CALIF

SHIU

No. 23204



# CONFORM NOTES:

The pavement conform shall be as follows:

## STANDARD CONFORM:

The asphalt concrete shall be cut through the full depth of existing asphalt concrete to a neat straight line at least 1.0 foot outside the trench line, Pavement edges damaged during construction shall be re-cut to neat lines prior to paving. Paint binder (tack coat) shall be applied to all vertical surfaces in accordance with the latest edition of Caltrans Standard Specifications

#### ALTERNATE CONFORM:

The existing asphalt concrete outside the trench line may be ground to a minimum depth of 0.20 feet to a neat straight line at least 1.0 foot outside the trench line. The existing asphalt concrete at the trench lines shall be cut through the full depth of the existing asphalt concrete to a neat straight line. Any payement edges. including ground edges, damaged during construction shall be re-cut or re-ground to neat lines prior to paving. Paint binder (tack coat) shall be applied to all vertical Existing Asphalt Concrete Paint binder (Lock Court and the latest edition of Caltrans Standard Specifications.

-Asphalt Concrete

DETAIL A

Gutter Lip Paving

1/4" Max

# NOTES:

- 1. An encroachment permit is required for all work within County road right of way. The permit shall be obtained prior to beginning work.
- 2. Backfill material and any bedding material shall be as specified by the utility owner, and approved by the Public Works Department. In no case shall "pea" gravel be allowed.

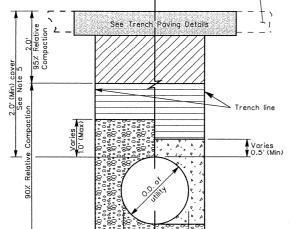
The County of Contra Costa or Its officers or agents

- 3. Unsuitable native material shall be excavated below the limit of excavation and replaced with suitable backfill material when directed by the Public Works Department.
- 4. "X" and "Y" shall be as a minimum, the dimensions shown below for the utility "O.D.".

O.D.	"x"	"y"
under 1.0'	0.5'	0.25'
1.0' to 4.5'	1.0'	0.5'
over 4.5'	2.0'	1.0'

- 5. Minimum cover over utilities is governed by the California Public Utilites Commission. Utility owners shall consider placing their utility line at a greater depth to avoid future relocation due to street/road reconstruction The increased depth should include sufficient clearance between the utility and pavement structural section subgrade to prevent damage by construction equipment. The Public Works Department recommends a minimum of 4.0 feet of cover in arterial roads and 3.0 feet elsewhere. If cover is less than 2.0 feet, a special design is required with approval by the Public Works Department.
- 6. Where the trench parallels curb and the nearest trench line is less than 3 feet from the gutter lip, all existing asphalt concrete shall be replaced to the gutter lip. For gutter lip paving detail see Detail "A".
- 7. Asphalt concrete shall be 1/2-inch Type A asphalt concrete unless otherwise specified in the encroachment permit's Special Road Encroachment Permit Conditions or as directed by the Public Works Department.

8. Slurry cement backfill shall comply with latest edition of Caltrans Standard Specifications. 9. This standard plan shall govern over encroachment permit's Standard Road Encroachment Permit Conditions, and General Permit Conditions-Attachment 1. Encroachment permit's Special Road Encroachment Permit Conditions shall govern over this standard plan. COUNTY OF CONTRA COSTA PUBLIC WORKS DEPARTMENT MARTINEZ, CALIFORNIA STANDARD PLAN UTILITY TRENCH **CUT DETAILS** SCALE: NO SCALE DATE: 7-02 DRAWN BY: H.HUSSEY PLAN NO. CU01i NO. DATE REVISION DESCRIPTION BY CHECKED BY: M.HOLLINGSWORTH



CL2 AB Structure | Slurry Cement

Backfill Ontion

Backfill Option

See Note

## **LEGEND**

Asphalt Concrete Paving See Note 7



Class 2 Aggregate Base (AB)

Utility Spec'd Material See Note 2

Slurry Cement Backfill See Note 8

Class 2 Aggregate Base (AB), or suitable native backfill material as approved by Public Works Department

TRENCH BACKFILL DETAILS TYPICAL HALF SECTIONS